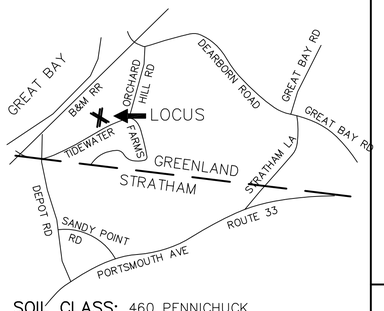
LOCUS MAP

NOT TO SCALE



SOIL CLASS: 460 PENNICHUCK

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = PREVIOUS APPROVAL

#1	SET NAIL 10" TREE ELEV 82.43
#2	STONE THRESHOLD AT DOOR ELEV 86.00
#3	TOP STONE BOUND AT LOT COR ELEV 78.22

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 81.5
2. THERE IS/ARE APPROX 12" FT BELOW ORIGINAL GROUND ON THE HIGH CONTOUR THE DESIGNED EDS. 60% OF BED AREA DOWNSLOPE (EL 82.5)

SUITABLE REPLACEMENT AREA:

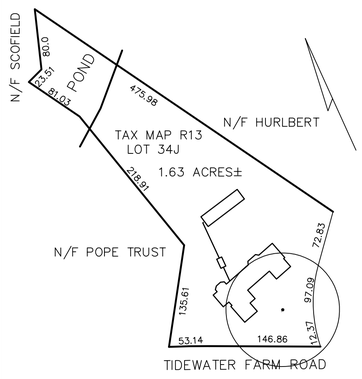
SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

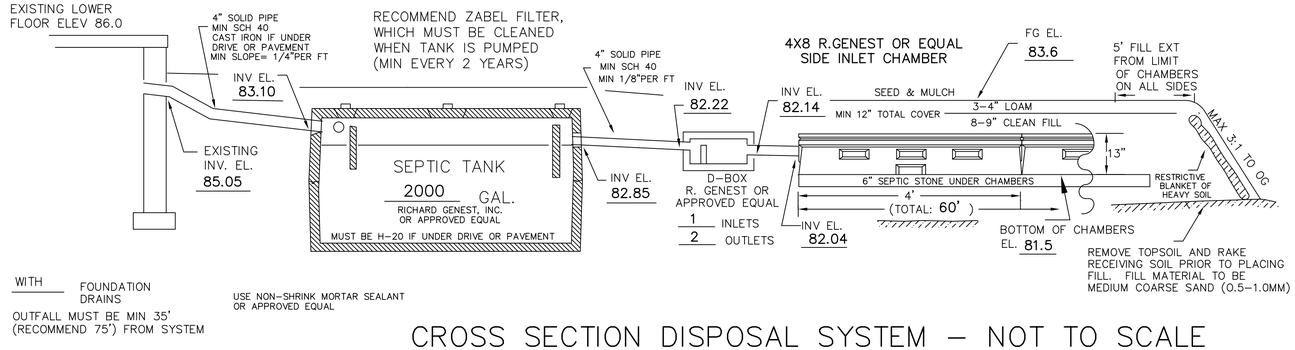
50	EXISTING CONTOUR
(50)	PROPOSED CONTOUR
50.0	EXISTING SPOT ELEVATION
(50.0)	PROPOSED SPOT ELEVATION

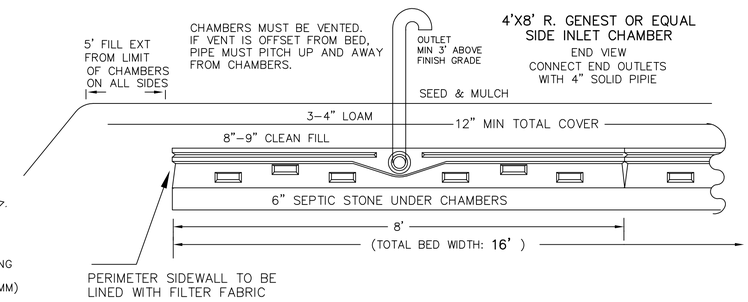
NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE: RCRD PLAN D20842
2. SUBDIVISION APPROVAL #38305 PREVIOUS CONSTRUCTION APPROVAL # 203117
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL, JACUZZI BATH, OR SEWAGE EJECTOR PUMP WASTE. BACKWASH FROM WATER SOFTENER SYSTEMS SHOULD BE DISCHARGED TO A SEPARATE DRYWELL.
4. NO SURFACE WATER OR WELL WITHIN 100' OF PROPOSED SYSTEM. NO HYDRIC B WITHIN 50', HYDRIC A WITHIN 75'



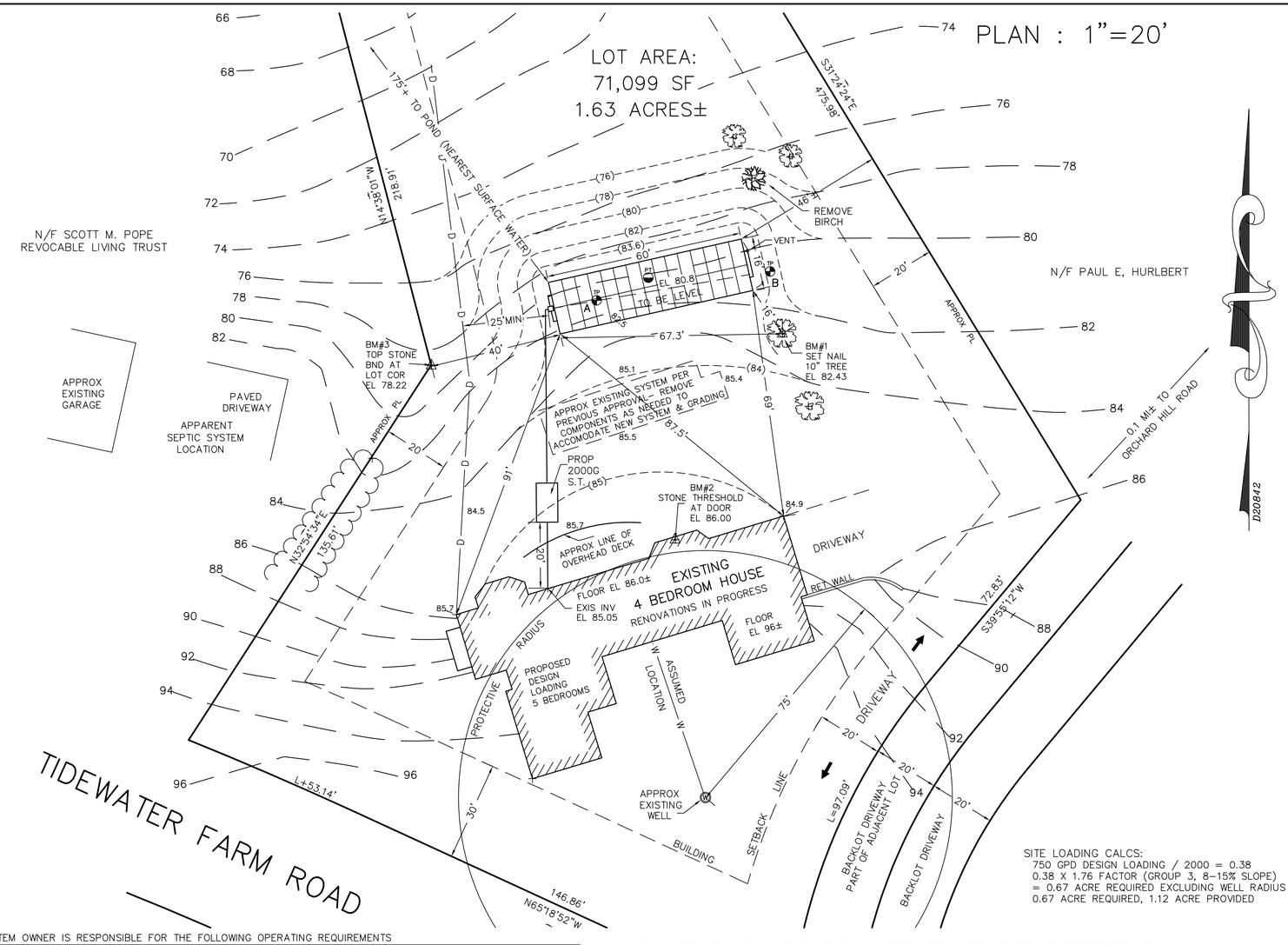
PLOT PLAN 1"=APPROX 100'


EXISTING LOWER FLOOR ELEV 86.0
4" SOLID PIPE MIN SCH 40 CAST IRON IF UNDER DRIVE OR PAVEMENT MIN SLOPE= 1/4"PER FT
INV EL. 83.10
EXISTING INV. EL. 85.05
RECOMMEND ZABEL FILTER, WHICH MUST BE CLEANED WHEN TANK IS PUMPED (MIN EVERY 2 YEARS)
4" SOLID PIPE MIN SCH 40 MIN 1/8"PER FT
INV EL. 82.22
SEPTIC TANK
2000 GAL.
RICHARD GENEST, INC. OR APPROVED EQUAL
MUST BE H-20 IF UNDER DRIVE OR PAVEMENT
INV EL. 82.85
D-BOX
R. GENEST OR APPROVED EQUAL
1 INLETS
2 OUTLETS
4X8 R.GENEST OR EQUAL SIDE INLET CHAMBER
INV EL. 82.14
SEED & MULCH
MIN 12" TOTAL COVER
3-4" LOAM
8-9" CLEAN FILL
FG EL. 83.6
5' FILL EXT FROM LIMIT OF CHAMBERS ON ALL SIDES
MAX 3:1 TO OG
13"
6" SEPTIC STONE UNDER CHAMBERS
4'
(TOTAL: 60')
INV EL. 82.04
BOTTOM OF CHAMBERS EL. 81.5
RESTRICTIVE BLANKET OF HEAVY SOIL
REMOVE TOPSOIL AND RAKE RECEIVING SOIL PRIOR TO PLACING FILL. FILL MATERIAL TO BE MEDIUM COARSE SAND (0.5–1.0MM)
WITH FOUNDATION DRAINS
USE NON-SHRINK MORTAR SEALANT OR APPROVED EQUAL
OUTFALL MUST BE MIN 35' (RECOMMEND 75') FROM SYSTEM


5' FILL EXT FROM LIMIT OF CHAMBERS ON ALL SIDES
CHAMBERS MUST BE VENTED. IF VENT IS OFFSET FROM BED, PIPE MUST PITCH UP AND AWAY FROM CHAMBERS.
OUTLET MIN 3' ABOVE FINISH GRADE
4'X8' R. GENEST OR EQUAL SIDE INLET CHAMBER
END VIEW
CONNECT END OUTLETS WITH 4" SOLID PIPIE
SEED & MULCH
3-4" LOAM
12" MIN TOTAL COVER
8"-9" CLEAN FILL
6" SEPTIC STONE UNDER CHAMBERS
8'
(TOTAL BED WIDTH: 16')
PERIMETER SIDEWALL TO BE LINED WITH FILTER FABRIC

CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

PLAN : 1"=20'



SITE LOADING CALCS:
750 GPD DESIGN LOADING / 2000 = 0.38
0.38 X 1.76 FACTOR (GROUP 3, 8–15% SLOPE) = 0.67 ACRE REQUIRED EXCLUDING WELL RADIUS
0.67 ACRE REQUIRED, 1.12 ACRE PROVIDED

SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV-WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR.INCLUDING TANK FILTER. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER. PUMP TANK AND CLEAN FILTER AT LEAST EVERY 2 YEARS.

ENV-WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV-WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV-WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.

ENV-WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.

TP TEST PIT DATA

DATE: OCTOBER 10, 2006

TOWN INSPECTOR: BOB CUSHMAN

TEST PIT A ELEV 80.8

IN DISTURBED AREA, LOGGED FROM ESTIMATED ORIGINAL GRADE

0 –40" 10YR4/4 FINE SANDY LOAM, GRANULAR FRIABLE

40–75" 2.5Y5/4 GRAVELLY SILTY FINE SANDY LOAM MASSIVE, FIRM, MOTTLED, SOME STONES

ESHWT @ 40", ROOTS TO 40"+, NO OBS WATER, NO REFUSAL

TEST PIT B ELEV 80.8

0 –20" 10YR4/4 FINE SANDY LOAM, GRANULAR FRIABLE
20–23" OLD TOPSOIL (TO BE REMOVED)
23–40" 10YR5/4 TO 5/6 GRAVELLY FINE SANDY LOAM GRANULAR FRIABLE, SOME STONES
40–72" 2.5Y5/4 GRAVELLY SILTY FINE SANDY LOAM MASSIVE, FIRM, MOTTLED

ESHWT @ 40", ROOTS TO 44"+, NO OBSERVED WATER, NO REFUSAL

PT PERC TEST DATA

USE PERC RATE FROM PREVIOUS APPROVAL

PERC RATE: 14 MIN/IN

DESIGN LOADING: 5 BEDROOMS

AREA REQUIRED: 1275 + 319 = 1594 SF X 0.6 = 956 SF CHAMBER SYSTEM REQUIRED

AREA PROPOSED: USE THIRTY 4' X 8' CHAMBERS IN 16' X 60' BED FOR 960 SF PROVIDED

PROPOSED PREPLACEMENT

SEPTIC SYSTEM PLAN

LOCUS: 29 TIDEWATER FARM ROAD
GREENLAND, NH

OWNER: JOSEPH & KAREN OLDFIELD
C/O MCNEIL CONSTRUCTION, INC
31 OCEAN ROAD
GREENLAND, NH 03840

NEW HAMPSHIRE Designer of Subsurface Disposal Systems ★★★ Anne W. Bialobrzeski No. 348 Department of Environmental Services

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03843–1306
603 929–7404

DATE: OCT 25, 2006

APPROVAL: CA2006084573